




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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DATA MATRIX

Date Jul. 24, 2019	EPA Reg No./File Symbol 87373-	Page 1 of 28
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513	Product ARG Fludioxonil Technical	
Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REQUIREMENTS					
830.1550	Product identity and composition	50593401	Argite, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	50593401	Argite, LLC	OWN	
830.1620	Description of the Production Process	50593401	Argite, LLC	OWN	
830.1650	Description of the Formulation Process				Not required ¹
830.1670	Discussion of Formation of Impurities	50593401	Argite, LLC	OWN	
830.1700	Preliminary Analysis	50593402	Argite, LLC	OWN	
830.1750	Certified Limits	50593401	Argite, LLC	OWN	
830.1800	Enforcement Analytical Method	50593402	Argite, LLC	OWN	
830.6302	Color	50593403	Argite, LLC	OWN	
830.6303	Physical State	50593403	Argite, LLC	OWN	
830.6304	Odor	50593403	Argite, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	50593403	Argite, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	50593403	Argite, LLC	OWN	
830.6315	Flammability	50593404	Argite, LLC	OWN	Waiver ²
830.6316	Explosibility	50593404	Argite, LLC	OWN	Waiver ³
830.6317	Storage Stability	50593403	Argite, LLC	OWN	
830.6319	Miscibility	50593404	Argite, LLC	OWN	Not applicable
830.6320	Corrosion Characteristics	50593403	Argite, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not required

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830.7000	pH	50593403	Argite, LLC	OWN	
830.7050	UV/Visible Absorption	50593403	Argite, LLC	OWN	
830.7100	Viscosity	50593404	Argite, LLC	OWN	Not applicable
830.7200	Melting Point/Melting Range	50593403	Argite, LLC	OWN	
830.7220	Boiling Point/Boiling Range	50593404	Argite, LLC	OWN	Not applicable
830.7300	Density/Relative Density/Bulk Density	50593403	Argite, LLC	OWN	
830.7370	Dissociation Constants in Water	50593404	Argite, LLC	OWN/PL	
830.7520	Particle size, fiber length, and diameter distribution	50593404	Argite, LLC	OWN	Waiver ⁴
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	50593403	Argite, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7570
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7570
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	50593403	Argite, LLC	OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	50593403	Argite, LLC	OWN	
870.1100	Acute oral toxicity – rat	43124105		OLD	See endnote ⁵
870.1200	Acute dermal toxicity – rat	43124106		OLD	See endnote ⁵
870.1300	Acute inhalation toxicity – rat	43080019		OLD	See endnote ⁵

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Eye irritation	43124107		OLD	See endnote ⁵
870.2500	Skin irritation	43124108		OLD	See endnote ⁵
870.2600	Skin sensitization	43080024		OLD	See endnote ⁵
GENERIC DATA REQUIREMENTS					
850.2100	Acute Avian Oral Toxicity	43124102 49552301	Syngenta Crop Protection, LLC	OLD PAY	See endnote ⁶
850.2200	Acute Avian Dietary Toxicity	43124103 43124104		OLD OLD	See endnote ⁷
850.2400	Wild Mammal Toxicity				Not required / See 870 series
850.2300	Avian Reproductive Toxicity	43080006 43080007 49781910	Syngenta Crop Protection, LLC	OLD OLD PAY	See endnote ⁸
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	43080008 43080009 49639601 49781908 49781909	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY PAY	See endnote ⁹

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1010	Freshwater Invertebrate Toxicity	43080010 49407901 49522703 49522704 49781901 49781906 49781907	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD PAY PAY PAY PAY PAY PAY	See endnote ¹⁰
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	43080011 43080012 43080013 45734501 49522701 49522705	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD OLD OLD PAY PAY	See endnote ¹¹
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	49407901	Syngenta Crop Protection, LLC	PAY	See endnote ¹²
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	49522701	Syngenta Crop Protection, LLC	PAY	See endnote ¹³
850.1400	Fish Early Life Stage (Freshwater)	43080014 44382302		OLD OLD	See endnote ¹⁴
850.1400	Fish Early Life Stage (Saltwater)	49522702	Syngenta Crop Protection, LLC	PAY	See endnote ¹⁵
850.1500	Life Cycle Fish	49693601	Syngenta Crop Protection, LLC	PAY	See endnote ¹⁶
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	44382320		OLD	See endnote ¹⁷

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required ¹⁸
850.1735	Whole Sediment: Acute Freshwater Invertebrates	49522703 49522704	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	PAY PAY	See endnote ¹⁹
850.1740	Whole Sediment: Acute Marine Invertebrates	49522705	Syngenta Crop Protection, LLC	PAY	See endnote ²⁰
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				Not required
850.3020	Honey Bee Acute Contact Toxicity	43080047 49781901	Syngenta Crop Protection, LLC	OLD PAY	See endnote ²¹
Non-guideline (OECD 213)	Honey Bee Acute Oral Toxicity				Reserved ²²
Non-guideline (OECD 237)	Honey Bee Larvae Acute Oral Toxicity				Reserved ²²
Non-guideline	Honey Bee Adult Chronic Oral Toxicity				Reserved ²²
Non-guideline	Honey Bee Larvae Chronic Oral Toxicity				Reserved ²²
Non-guideline	Field Trial of Residues in Pollen and Nectar				Reserved ²²
Non-guideline (OECD 75)	Semi-Field Testing for Pollinators				Reserved ²²
850.3030	Honeybee Toxicity of Residues on Foliage				Reserved ²²
850.3040	Field Testing for Pollinators				Reserved ²²
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required ²³
870.6200	Acute Neurotoxicity – Rat				Not required ²⁴
870.3100	90-Day Oral: Rodent	43080026 43080027		OLD OLD	See endnote ²⁵

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3150	90-Day Oral: Non-Rodent	43080029		OLD	See endnote ²⁶
870.3200	21/28-Day Dermal Toxicity	43080030		OLD	See endnote ²⁷
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity				Not required ²⁸
870.6100	28-Day Delayed Neurotoxicity Hen				Not required ²⁹
870.6200	90-Day Neurotoxicity				Not required ³⁰
870.4100	Chronic Oral Rodent	43080037 43080031		OLD OLD	See endnote ³¹
870.4200	Carcinogenicity	43080032 43080033 43080037		OLD OLD OLD	See endnote ³²
870.3700	Reproduction/Developmental Toxicity Screening Test	43080034 43080035		OLD OLD	See endnote ³³
870.3800	2-Generation Reproduction: Rat	43080036		OLD	See endnote ³⁴
870.6300	Developmental Neurotoxicity Study				Not required ³⁵
870.5100	Bacterial Reverse Mutation Test	43080038		OLD	See endnote ³⁶
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	43080040 43152501		OLD OLD	See endnote ³⁷
870.5385, 870.5395, 870.5450; 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	43080039 43080041 43080042		OLD OLD OLD	See endnote ³⁸

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43080043		OLD	
		43080044		OLD	
870.7485	Metabolism and Pharmacokinetics	43080045		OLD	See endnote ³⁹
		43080046		OLD	
		43445901		OLD	
		43455902		OLD	
		43560504		OLD	
		43560505		OLD	
		43429513		OLD	
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration				Not required ⁴⁰
870.7800	Immunotoxicity	48478502	Syngenta Crop Protection, LLC	PAY	See endnote ⁴¹
875.1100	Dermal Exposure – Outdoor		Agricultural Handlers Exposure TF	OWN	See endnote ⁴²
875.1200	Dermal Exposure - Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handlers Exposure TF	OWN	See endnote ⁴²
875.1400	Inhalation Exposure - Indoor				Not required
875.1500	Biological Monitoring		Agricultural Handlers Exposure TF	OWN	See endnote ⁴²
875.1600	Data Reporting and Calculations		Agricultural Handlers Exposure TF	OWN	See endnote ⁴²
875.1700	Product Use Information		Agricultural Handlers Exposure TF	OWN	See endnote ⁴²

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2200	Soil Residue Dissipation		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2400	Dermal Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2500	Inhalation Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2600	Biological Monitoring		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2700	Product Use Information		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2800	Descriptions of Human Activity		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.2900	Data Reporting and Calculations		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
875.3000	Nondietary Ingestion Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴³
201-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ⁴⁴
202-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ⁴⁴

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Tier 1: Seedling Emergence	48526503	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁵
850.4150	Tier 1: Vegetative Vigor	49462001 49462002 48526504	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	PAY PAY PAY	See endnote ⁴⁶
850.4400, 850.4500	Tier 1: Aquatic Plant Growth	44382305 45808101 48526505 49268904 49268905 49268901	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY PAY PAY	See endnote ⁴⁷
850.4100	Tier 2: Seedling Emergence	48526503	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁵
850.4150	Tier 2: Vegetative Vigor	49462001 49462002 48526504	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	PAY PAY PAY	See endnote ⁴⁶
850.4400, 850.4500	Tier 2: Aquatic Plant Growth	44382305 45808101 48526505 49268904 49268905 49268901	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY PAY PAY	See endnote ⁴⁷

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850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity	49268901	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁸
835.2120	Hydrolysis	43152502		OLD	See endnote ⁴⁹
835.2240	Photodegradation in Water	43496302 44382308		OLD OLD	See endnote ⁵⁰
835.2410	Photodegradation in Soil	43496303 44382308		OLD OLD	See endnote ⁵¹
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	43380513 46294501 47169301 47169302 47169312 47169313 47169314 48996603 48996604	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD PAY PAY PAY PAY PAY PAY PAY PAY	See endnote ⁵²

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835.4200	Anaerobic Soil Metabolism	47169302 47169303	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	PAY PAY	See endnote ⁵³
835.4300	Aerobic Aquatic Metabolism	47169304	Syngenta Crop Protection, LLC	PAY	See endnote ⁵⁴
835.4400	Anaerobic Aquatic Metabolism				Not required ⁵⁵
835.1230	Leaching/Adsorption/Desorption	44382311 44382312 44382313		OLD OLD OLD	See endnote ⁵⁶
835.1410	Volatility – Laboratory				Not required
835.8100	Volatility – Field				Not required
835.6100	Soil Field Dissipation Study	44382314 44382315 44382316 44382317 44382318 44940102 45357001		OLD OLD OLD OLD OLD OLD OLD	See endnote ⁵⁷
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required ⁵⁸
850.6100	Environmental Chemistry Methods	44382319		OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513	Product ARG Fludioxonil Technical	

Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.1110	Activated Sludge Sorption Isotherm	50205401	Syngenta Crop Protection, LLC	PAY	See endnote ⁵⁹
850.3280 (OECD 314B)	Biodegradation in Activated Sludge	50300101	Syngenta Crop Protection, LLC	PAY	See endnote ⁶⁰
850.3300	Activated Sludge Respiration Inhibition	49781905	Syngenta Crop Protection, LLC	PAY	See endnote ⁶¹
860.1300	Nature of the Residue: Plants	43080050 43143301 43960410 44382322 44554201 44554202 44554203 44703537 44867311 44926101 45821801		OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	43470601 43470602 44382323		OLD OLD OLD	
860.1850	Confined Rotational Crops	43960409 44198401 44867313		OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513	Product ARG Fludioxonil Technical	
Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	43080051		OLD	
		43080052		OLD	
		43080054		OLD	
		43080055		OLD	
		43960411		OLD	
		43960412		OLD	
		43960413		OLD	
		43960414		OLD	
		44382324		OLD	
		44382325		OLD	
		44382326		OLD	
		44382327		OLD	
		44382328		OLD	
		44382329		OLD	
		44382330		OLD	
		44554204		OLD	
860.1360	Multiresidue Method	43080053		OLD	
860.1380	Storage Stability	43690403	IR-4	OLD	
		44382331		OLD	
		44382332		OLD	
		44554205		OLD	
		48437405		PL	
860.1500	Magnitude of the Residue in Plants: avocado	47161102	IR-4	PL	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: beans (dried and succulent except cowpeas)	46014701	IR-4	PL	
		46014702	IR-4	PL	
		46014703	IR-4	PL	
		46016701	IR-4	PL	
		46016702	IR-4	PL	
		46016703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: berries (bush and cane)	45382801		OLD	
		45522201		OLD	
860.1500	Magnitude of the Residue in Plants: <i>Brassica</i> (cole) leafy vegetables	45726001	IR-4	OLD	
		45726002		OLD	
		45726101		OLD	
		45726102		OLD	
		45839801		OLD	
		47169311		PL	
860.1500	Magnitude of the Residue in Plants: bulb vegetables	44615602	IR-4 Syngenta Crop Protection, LLC	OLD	
		46196501		PL	
		46584601		PAY	
860.1500	Magnitude of the Residue in Plants: carrot	45682301	IR-4 IR-4	OLD	
		45682401		OLD	
		47169310		PL	
		49347001		PL	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: citrus fruit	46162301 46715501 46715502 47161105	IR-4 Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC IR-4	PL PAY PAY PL	
860.1500	Magnitude of the Residue in Plants: cereal grains	43124110 43124111 43960416 44554206 44715108		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cotton	44490802		OLD	
860.1500	Magnitude of the Residue in Plants: cucurbit vegetables	44554209 46040104 47161106	IR-4 IR-4	OLD PL PL	
860.1500	Magnitude of the Residue in Plants: flax	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: legume vegetables (including foliage)	44554208		OLD	
		46014701	IR-4	PL	
		46014702	IR-4	PL	
		46014703	IR-4	PL	
		46016701	IR-4	PL	
		46016702	IR-4	PL	
		46016703	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: fruiting vegetables	47161101	IR-4	PL	
		48437303	IR-4	PL	
		48437304	IR-4	PL	
		48437401	IR-4	PL	
		48437402	IR-4	PL	
		49346905	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: ginseng	48437301	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: grapes	44382333		OLD	
		44382334		OLD	
		44382369		OLD	
		47289701	Syngenta Crop Protection, LLC	PAY	
		47289702	Syngenta Crop Protection, LLC	PAY	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513	Product ARG Fludioxonil Technical	

Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: grass	43124110 43124111 43960416 44554206 44554211 44715108		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: herbs and spices	44703529 45795301 45795302 45795401 45795402		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: jojoba	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1500	Magnitude of the Residue in Plants: kiwifruit	45849401 46715504 50420101	Syngenta Crop Protection, LLC Pace International, LLC	OLD PAY PAY	

Signature

Name and Title

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Date

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513		Product ARG Fludioxonil Technical			
Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: leafy vegetables (except <i>Brassica</i>)	44554207 45945001 46006701 47161103 48481701 48437305 48437403 48478501 48499801	IR-4 IR-4 IR-4 IR-4 IR-4 IR-4 Syngenta Crop Protection, LLC IR-4	OLD OLD PL PL PL PL PL PAY PL	
860.1500	Magnitude of the Residue in Plants: root and tuber vegetables (including leaves)	43960417 43960418 44554210 45682301 45682401 46040103 47161104 47161108 47169310 49347001	IR-4 IR-4 IR-4 IR-4 IR-4	OLD OLD OLD OLD OLD PL PL PL PL PL	
860.1500	Magnitude of the Residue in Plants: nongrass animal feeds	44554211		OLD	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: mango	45660001		OLD	
		45721501		OLD	
		46162302	IR-4	PL	
		48437302	IR-4	PL	
		49179603	Syngenta Crop Protection, LLC	PAY	
		49346904	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: papaya	45660001		OLD	
		45721501		OLD	
		46162302	IR-4	PL	
		48437302	IR-4	PL	
		49179603	Syngenta Crop Protection, LLC	PAY	
		49346904	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: peanut	44554211		OLD	
860.1500	Magnitude of the Residue in Plants: pineapple	48437302	IR-4	PL	
		49179603	Syngenta Crop Protection, LLC	PAY	
860.1500	Magnitude of the Residue in Plants: pistachio	45544601		OLD	
860.1500	Magnitude of the Residue in Plants: pome fruit	46040101	IR-4	PL	
		46040102	IR-4	PL	
		46715503	Syngenta Crop Protection, LLC	PAY	
		48630609	Pace International, LLC	PAY	
		48996101	Syngenta Crop Protection, LLC	PAY	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 102 Cary, NC 27513	Product ARG Fludioxonil Technical	
Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: pomegranate	46162302 49346904	IR-4 IR-4	PL PL	
860.1500	Magnitude of the Residue in Plants: rapeseed crop subgroup 20A	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1500	Magnitude of the Residue in Plants: safflower	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1500	Magnitude of the Residue in Plants: stone fruits crop group 12-12	44893301 44893302 44893303 44893304 45286001 46715505 46715506 49523903	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD OLD OLD OLD PAY PAY PAY	
860.1500	Magnitude of the Residue in Plants: strawberry	44615601 46230301	IR-4	OLD PL	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: sunflower	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1500	Magnitude of the Residue in Plants: tropical fruits	45660001 45721501 46162302 48437302 49179603 49346903 49346904	IR-4 IR-4 Syngenta Crop Protection, LLC IR-4 IR-4	OLD OLD PL PL PAY PL PL	
860.1500	Magnitude of the Residue in Plants: watercress	45530801 45531001		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	48437404	IR-4	PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: cereal grains	43124110 43124111 43960416 44715105 44715108		OLD OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	44490802		OLD	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: flax	44703528 44703530 47644301 47990601	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: fruiting vegetables	47161101 49346905	IR-4 IR-4	PL PL	
860.1520	Magnitude of the Residue in Processed Food or Feed: grapes	44382333 44382334 44382369 47289701 47289702	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD OLD PAY PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: herbs	45795301 45795302 45795401 45795402		OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: root and tuber vegetables	43960417 43960418		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanut	44554211		OLD	

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: pome fruit	46040101 46715503 48630609 48996101	IR-4 Syngenta Crop Protection, LLC Pace International, LLC Syngenta Crop Protection, LLC	PL PAY PAY PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: rapeseed crop subgroup 20A	44703528 44703530 47644301 47990601	 Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: safflower	44703528 44703530 47644301 47990601	 Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: stone fruits crop group 12-12	44893304 46715505	 Syngenta Crop Protection, LLC	OLD PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: sunflower	44703528 44703530 47644301 47990601	 Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD PAY PAY	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs				Not required
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required

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Ingredient: Fludioxonil (CAS No. 131341-86-1; Chemical Code: 71503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	44867314		OLD	

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Endnotes for Data Matrix for ARG Fludioxonil Technical

¹ **830.1650** - These data are not required for the registration of a manufacturing use product. See 830.1620 for production process information.

² **830.6315** - Argite, LLC requests a waiver from the requirement of this data requirement since ARG Fludioxonil Technical is a solid and does not contain flammable components. Please refer to the Confidential Statement of Formula for ARG Fludioxonil Technical.

³ **830.6316** - Argite, LLC requests a waiver from this data requirement because fludioxonil does not have the chemical bonds or functional groups associated with explosive chemicals.

⁴ **830.7520** - Argite, LLC is seeking a waiver for this data requirement for ARG Fludioxonil Technical because the product is not a fibrous material and is not water insoluble.

⁵ **870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600** – The study cited is acceptable and satisfies the data requirement as per the Sept. 21, 2017 Preliminary Human Health Risk Assessment for Registration Review (DP Barcode 438830) (Human Health Risk Assessment).

⁶ **850.2100** – The study cited is listed in the Sept. 25, 2017 Preliminary Environmental Fate and Ecological Risk Assessment for Fludioxonil (DP Barcode 436511) (Environmental Fate and Ecological Risk Assessment) and the June 17, 2011 Preliminary Problem Formulation for Environmental Fate, Ecological Risk, Endangered Species, and Drinking Water Exposure Assessments for Fludioxonil (DP Barcodes 384856, 387808) (Problem Formulation). The Dec. 5, 2012 Generic Data Call-In for Fludioxonil (GDCI-071503-1243) (GDCI) required data be submitted on a passerine species. It appears this requirement was fulfilled with a dietary study as per the Sept. 27, 2017 Fludioxonil Data Evaluation Records for Ecological Effects Studies (MRIDs) (DP Barcode: 431113) (Ecological DERs).

⁷ **850.2200** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation.

⁸ **850.2300** – The studies cited are acceptable or supplemental and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. As per comments from the EPA reviewer, new available data (although duplicative) are also cited in order to avoid delay of obtaining the registration.

⁹ **850.1075** – MRIDs 43080008 and 43080009 are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment. MRID No. 44240401 is not cited as it is a resubmission of MRID No. 43080009 as per the Problem Formulation. Data developed using metabolites of fludioxonil are also cited, as per comments from the EPA reviewer and in order to avoid delay of obtaining the registration. MRID No. 49693601 is also cited as per comments from the EPA reviewer, although these data are also cited under 850.1500 which Argite believes is the appropriate guideline.

¹⁰ **850.1010** – MRID 43080010 is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. Data developed using metabolites of fludioxonil are also cited, as per comments from the EPA reviewer and in order to avoid delay of obtaining the registration. MRID Nos. 49407901, 49522703, and 49522704 are also cited as per comments from the EPA reviewer, although these data are also cited under 850.1300, 850.1735, and 850.1735, respectively, which Argite believes are the appropriate guidelines.

¹¹ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and Problem Formulation. MRID Nos. 495522701 and 495522705 are also cited under this data requirement, as per comments from the EPA reviewer, although these data are also cited under 850.1350 and 850.1740, respectively, which Argite believes are the appropriate guidelines.

¹² **850.1300** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

¹³ **850.1350** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

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¹⁴ **850.1350** – MRID Nos. 43080014 and 44382302 are supplemental but satisfy the data requirement as per the Problem Formulation although triggering higher tier testing; see guideline 850.1500 for these data.

¹⁵ **850.1400** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

¹⁶ **850.1500** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

¹⁷ **850.1710, 850.1730, 850.1850** – The study cited is listed in the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. Not additional data are required.

¹⁸ **850.1950** – These data are not required as per the Problem Formulation.

¹⁹ **850.1735** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment.

²⁰ **850.1740** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

²¹ **850.3020** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. As per comments from the EPA reviewer, MRID No. 49781901 is also cited in order to avoid delay of obtaining the registration.

²² **Non-guideline (OECD 213), Non-guideline (OECD 237), Non-guideline, Non-guideline, Non-guideline, Non-guideline (OECD 75), 850.3030, 850.3040** – As per the Mar. 27, 2018 Proposed Interim Registration Review Decision (EPA-HQ-OPP-2010-1067) (Proposed Interim Decision), these data have not yet been called-in but EPA is determining whether additional pollinator data are need for fludioxonil.

²³ **870.6100** – These data are not required as per the Human Health Risk Assessment.

²⁴ **870.6200** – These data are not required as per the Human Health Risk Assessment.

²⁵ **870.3100** – The studies cited are acceptable and satisfy the data requirement as per the Human Health Risk Assessment.

²⁶ **870.3150** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment.

²⁷ **870.3200** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment.

²⁸ **870.3465** – These data are not required as per the Human Health Risk Assessment.

²⁹ **870.6100** – These data are not required as per the Human Health Risk Assessment.

³⁰ **870.6200** – These data are not required as per the Human Health Risk Assessment.

³¹ **870.4100** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment. Chronic dog data are not required as per the 2007 changes to the 40 CFR Part 158, however these data are cited as per comments from the EPA reviewer and in order to avoid delay of obtaining the registration.

³² **870.4200** – The studies cited are acceptable and satisfy the data requirement as per the Human Health Risk Assessment.

³³ **870.3700** – The studies cited are acceptable and satisfy the data requirement as per the Human Health Risk Assessment.

³⁴ **870.3800** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment.

³⁵ **870.6300** – These data are not required as per the Human Health Risk Assessment.

³⁶ **870.5100** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment.

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³⁷ **870.5300, 870.5375** – The studies cited are acceptable and satisfy the data requirement as per the Human Health Risk Assessment.

³⁸ **870.5385, 870.5395, 870.5450; 870.5550** – The studies cited are acceptable and satisfy the data requirement as per the Human Health Risk Assessment.

³⁹ **870.7485** – The studies cited in the Human Health Risk Assessment appear to be associated with the active ingredient fenpyroximate (MRID Nos. 43560504, 43560505, and 43429513), however these data are cited in order to avoid delay in obtaining the registration as per comments from the EPA reviewer. Appropriate fludioxonil data have also been cited.

⁴⁰ **870.7600** – These data are not required as per the Human Health Risk Assessment.

⁴¹ **870.7800** – The study cited is acceptable and satisfies the data requirement as per the Human Health Risk Assessment.

⁴² **875.1100, 875.1300, 875.1500, 875.1600, 875.1600** – Argite, LLC is a member in good standing of the Agricultural Handlers Exposure Task Force. A letter from the Task Force can be produced upon request.

⁴³ **875.2100, 875.2200, 875.2400, 875.2500, 875.2600, 875.2700, 875.2800, 875.2900, 875.3000** – Argite, LLC is a member in good standing of the Agricultural Reentry Task Force and the Outdoor Residential Exposure Task Force. A letter from the Task Forces can be produced upon request.

⁴⁴ **201-1, 202-1** – Argite, LLC is a member in good standing of the Spray Drift Task Force. A letter from the Task Force can be produced upon request.

⁴⁵ **850.4100** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

⁴⁶ **850.4150** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment. Additional supplemental data using the TGAI (MRID No. 48526504) are also cited as per comments from the EPA reviewer and in order to avoid delay in obtaining the registration.

⁴⁷ **850.4400, 850.4500** – The studies cited are acceptable or supplemental and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment. MRID No. 49268901 is also cited as per comments from the EPA reviewer, although these data are also cited under 850.4550, which Argite believes is the appropriate guideline.

⁴⁸ **850.4550** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

⁴⁹ **835.2120** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

⁵⁰ **835.2240** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. New available data have not been cited as the data requirement has been satisfied by the data cited herein. Furthermore, a data gap was not identified in the Problem Formulation, nor were these data called-in as part of the GDCI.

⁵¹ **835.2410** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation. New available data have not been cited as the data requirement has been satisfied by the data cited herein. Furthermore, a data gap was not identified in the Problem Formulation, nor were these data called-in as part of the GDCI.

⁵² **835.4100** – The studies cited are supplemental as per the Environmental Fate and Ecological Risk Assessment and Problem Formulation. New data submitted that were identified as not being used in the modeling, nor required to be submitted as part of the GDCI, have not been cited.

⁵³ **835.4200** – The studies cited are acceptable or supplemental and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation.

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⁵⁴ **835.4300** – The study cited is supplemental but satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation as no data gap was identified nor was the data required as part of the GDCI.

⁵⁵ **835.4400** – The data are not required as per the Environmental Fate and Ecological Risk Assessment.

⁵⁶ **835.1230** – The studies cited are acceptable and satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation.

⁵⁷ **835.6100** – The studies cited are supplemental but satisfy the data requirement as per the Environmental Fate and Ecological Risk Assessment and the Problem Formulation as no data gap was identified nor was the data required as part of the GDCI. The analytical method to support the studies is also cited.

⁵⁸ **835.7100** – The data are not required as per the Problem Formulation.

⁵⁹ **835.1100** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

⁶⁰ **850.3280 (OECD 314B)** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.

⁶¹ **850.3300** – The study cited is acceptable and satisfies the data requirement as per the Environmental Fate and Ecological Risk Assessment.